1163-51-318 Taylor Brysiewicz* (taylor.brysiewicz@mis.mpg.de), Inselstrasse 22, 04103 Leipzig, Germany, and Michael Burr (burr2@clemson.edu). Alternative trace tests. Preliminary report.
The trace test is a fundamental tool in numerical algebraic geometry which verifies the completeness of a witness set.
Despite its long history and widespread use, many consequences of the trace test remain unexplored. We establish a collection of results pertaining to the trace test and explain how these give rise to new alternative trace tests. This is joint work with Michael Burr. (Received September 02, 2020)